

III. REMARKS

In the Office Action, claims 26-50 and 58-61 were rejected under 35 U.S.C. 102 as being anticipated by Dent (US 2003/0060195) for reasons set forth in the Action. Claims 51-55 were rejected under 35 U.S.C. 103 as being unpatentable over Dent in view of Ramesh (US 5943324), and claims 56-57 were rejected under 35 U.S.C. 103 as being unpatentable over Dent for reasons set forth in the Action.

With respect to the rejections under 35 U.S.C. 102 and 103, the following argument is presented to distinguish the claimed subject matter from the teachings of the cited art, considered individually and in combination, thereby to overcome the rejections and to show the presence of allowable subject matter in the claims.

It is urged that the present claims do set forth patentable subject matter. For example, in the rejections of the two independent claims 26 (directed to a receiver) and 40 (directed to a transmitter), the examiner makes reference to Dent Figs. 1 and 2. In the rejection of claim 30 (directed to a receiver, depending from claim 26), the examiner refers to Dent, paragraphs [0024 and 0036], and states (Point 8 of the Action) that Dent discloses a receiver that is operable to convert signals received in the first mode and the second mode directly to a common intermediate frequency. This observation of the examiner appears to be in error because Dent [0024] is directed to a transmitter operating at an intermediate frequency of 117 MHz.

Furthermore, Dent [0036] relates to a receiver operating with intermediate frequencies of 150 MHz (first IF stage) and 6 MHz (second IF stage). From the foregoing values of the intermediate frequencies, it is observed that Dent does not employ a common intermediate frequency. Dent discloses a common local oscillator frequency, which is not to be confused with a common intermediate frequency. The significance of the common intermediate frequency is found in present independent claim 26, which states

"supplying a further signal to RF circuitry operable at an intermediate frequency (IF) common to each mode of operation", and in present independent claim 40, which states "transmitting a signal in the first and the second mode respectively, the terminal RF stages being supplied by a signal from RF circuitry operable at an intermediate frequency (IF) common to each mode of operation". Please note also a corresponding teaching in the present specification (page 16 at lines 1-3), namely, that the common RF stage for reception is shared by the satellite and terrestrial receive paths, and that the common RF state for transmission is shared by the satellite and terrestrial transmit paths.

By way of a further corresponding teaching in the present specification, page 16 (paragraph extending from line 4 to line 26) discloses operation at a GSM mode with intermediate frequency stages at 71 MHz and 13 MHz, while a subsequent paragraph (extending from page 17 at line 18 to page 18 at line 3) discloses operation at IRIDIUM satellite mode with intermediate frequency stages also at 71 MHz and 13 MHz.

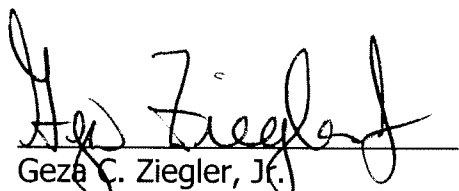
Dent does not disclose a dual mode receiver that operates with a common IF. To the contrary, as shown in Dent Fig. 2, the intermediate frequencies shown at the top of the figure for the GSM mode reception differ from the intermediate frequencies shown at the bottom of the figure for the satellite mode reception. As noted above, the operation of a dual mode receiver with a common IF is an important feature of the presently claimed subject matter.

In view of the failure of Dent to disclose this feature, and in the absence of such disclosure in any other citation of art, it is urged that Dent cannot serve as a basis for rejection of the claims. Also, since Dent does not teach the present invention, there would be no motivation to combine Dent with Ramesh, as the examiner has done with respect to the subject matter of claims 51-55.

For all of the foregoing reasons, it is respectfully submitted that all of the claims now present in the application are clearly novel and patentable over the prior art of record, and are in proper form for allowance. Accordingly, favorable reconsideration and allowance is respectfully requested. Should any unresolved issues remain, the Examiner is invited to call Applicants' attorney at the telephone number indicated below.

The Commissioner is hereby authorized to charge payment for any fees associated with this communication or credit any over payment to Deposit Account No. 16-1350.

Respectfully submitted,


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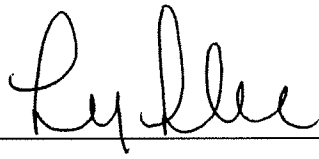
30 May 2007
Date

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